

Title (en)
TIME SYNCHRONISATION METHOD AND SYSTEM AND NETWORK DEVICE

Title (de)
VERFAHREN UND SYSTEM ZUR ZEITSYNCHRONISATION SOWIE NETZWERKVORRICHTUNG

Title (fr)
PROCÉDÉ ET SYSTÈME DE SYNCHRONISATION TEMPORELLE, ET DISPOSITIF DE RÉSEAU

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Application
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Abstract (en)
[origin: EP3277034A1] Embodiments of the present invention provide a time synchronization method and system, and a network device. The method includes: receiving, by a second network device, a first packet sent by a first network device, where the first packet includes a first service frame and a first time stamp T1, the first service frame is sent by an REC to the first network device, the first service frame carries a system clock of the REC, and the first time stamp is a time stamp at which the first network device receives the first service frame; obtaining, by the second network device, the system clock of the REC according to the first packet; sending, by the second network device according to the system clock of the REC, the first service frame extracted from the first packet to an RE; recording, by the second network device according to a system time of the second network device, a second time stamp T2 at which the first service frame is sent; and determining, by the second network device, a transmission delay $T=T2-T1$ between the first network device and the second network device. This solution helps ensuring that a delay between the REC and the RE remains unchanged.

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